IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	:	Thomas Oswald, et al.
Serial No.	:	10/566,937
Filing Date	:	February 2, 2006
For	:	IMPROVED RESIN COMPOSITIONS FOR EXTRUSION COATING
Group Art Unit	:	1796
Confirmation No.	:	9887
Examiner	:	Krylova, Irina
Attorney Docket No.	:	62781A

CONSIDERED: /I.K./

DECLARATION OF JEFFREY WEINHOLD

I, Jeffrey Weinhold, hereby declare the following:

1. I received a PhD in material science and engineering from Pennsylvania State University. I spent 3.5 years in a post doctoral assignment at Sandia National Laboratories. I have been working at The Dow Chemical Company for the past 10 years during which time I have been working in the field of polymer research.

2. I am one of the named inventors for patent application 10/566,937, (the '937 application) and am familiar with its contents.

3. I have read US 5,534,472 to Winslow et al., and in particular the discussion on elasticity response, ER. Using the methodology described in Winslow, I determined the value for ER for several of the resins and blends used in the '937 application.

4. The values of ER and S for these resins are presented in Table I below.

5. Figure 1 below is a plot of ER vs. S for these resins. It is clear from this plot that there is no correlation between S values and ER values

6. Therefore, one would not expect that the low values of ER described as desirable by Winslow et al would intrinsically have high values of S.

Table 1: Values of S and ER for example resins

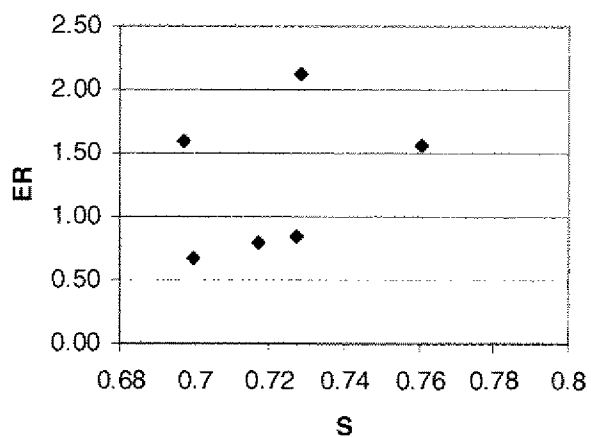| Resin	S	G	G' @ G"=5K	ER
A	0.7174	4.16	451.8	0.80
B	0.7275	4.0424	477.9	0.85
C	0.7774	2.5852	extrapolation required	
D	0.7281	3.256	1192.9	2.12
E	0.6996	4.2645	378.9	0.67
B1	0.7606	3.431	878.2	1.56
B2	0.6972	3.8312	896.2	1.60

Figure 1: Relationship between ER and S for example resins

Date: 2/22/2010

JEFFREY WEINHOLD